

**MAIL TO:**

STATE OF UTAH  
DIVISION OF PURCHASING  
3150 STATE OFFICE BUILDING, CAPITOL HILL  
P.O. BOX 141061  
SALT LAKE CITY, UTAH 84114-1061  
TELEPHONE (801) 538-3026  
<http://www.purchasing.state.ut.us>

**Invitation to Bid**

Solicitation **JG3008**  
Number:  
**08/27/02 @ 2:00 P.M.**  
Due Date:  
August 1, 2002  
Date Sent:

Goods and services to be purchased: **SELF PROPELLED ASPHALT SPREADER/PAVER (USED OR DEMONSTRATOR)**

**Please complete**

Company Name		Federal Tax Identification Number	
Ordering Address	City	State	Zip Code
Remittance Address (if different from ordering address)	City	State	Zip Code
Type <input type="checkbox"/> Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Proprietorship <input type="checkbox"/> Government	Company Contact Person		
Telephone Number (include area code)	Fax Number (include area code)		
Company's Internet Web Address	Email Address		
Discount Terms (for bid purposes, bid discounts less than 30 days will not be considered)	Days Required for Delivery After Receipt of Order (see attached for any required minimums)		
<p>The following documents are included in this solicitation: Solicitation forms, instructions and general provisions, and specifications. <u>Please review all documents carefully before completing</u></p> <p>The undersigned certifies that the goods or services offered are produced, mined, grown, manufactured, or performed in Utah. Yes_____ No_____. If no, enter where produced, etc._____</p>			
Offeror's Authorized Representative's Signature		Date	
Type or Print Name		Position or Title	

STATE OF UTAH  
DIVISION OF PURCHASING  
GENERAL SERVICES

Invitation to Bid

Solicitation Number: JG3008

Due Date: 08/27/02

Vendor Name:

Item#	Qty	Unit	Description	Unit Price	Extension
001	1	EACH	PROVIDE AND DELIVER A USED OR DEMONSTRATOR, SELF PROPELLED, ASPHALT SPREADER/PAVER FOR USE IN GENERAL HIGHWAY ASPHALT PAVING AND MAINTENANCE OPERATIONS. EQUIPMENT SHALL MEET SPECIFICATIONS <b>(ATTACHED)</b> .  <b>(OPTIONAL):</b> TO TRADE IN ON PURCHASE PRICE OF QUOTE UNIT, 1991 CATERPILLAR ASPHALT SPREADER. MODEL ID AP800B, S/N 1BF228. <b>SEE ATTACHMENT (A) FOR PHOTO.</b>  CALL FOR APPOINTMENT FOR VIEWING THE PAVER WITH DAVID HOPKINS @ (801) 965-4933 OR PAUL ROTTMANN @ (801) 965-4078 AT 4501 S. 2700 W, SALT LAKE CITY, UT 84119. FAXED RESPONSES WILL NOT BE CONSIDERED.	\$	\$

FOR MORE INFORMATION AND/OR CLARIFICATION PLEASE CONTACT PAUL ROTTMANN @ (801) 965-4078.

FOR BID PROCESSING QUESTIONS PLEASE CONTACT JARED GARDNER @ (801) 3342.

\*\*\*

REF RX# 810/36300000003

Ship To: DEPT. OF TRANSPORTATION/CENTRAL SHOPS  
4501 S 2700 W  
SALT LAKE CITY UT 84119

**FREIGHT CHARGES (if applicable)**

SHIPPING POINT AND ZIP CODE	
SHIPPING WEIGHT	
MODE OF TRANSPORTATION (Please check one)	
Q Small package/Ground      Q LTL(Less than truck load)      Q Truckload      Q Air      Q Other (Please specify)	
NMFC Class # _____	
NMFC Item # _____	
TOTAL PRICE LESS FREIGHT (FOB Origin)	\$
TOTAL PRICE INCLUDING FREIGHT (FOB Destination)	\$

## INVITATION TO BID - INSTRUCTION AND GENERAL PROVISIONS

1. **BID PREPARATION:** (a) All prices and notations must be in ink or typewritten. (b) Price each item separately. Unit price shall be shown and a total price shall be entered for each item bid. (c) Unit price will govern, if there is an error in the extension. (d) Delivery time is critical and must be adhered to as bid. (e) Wherever in this document an item is defined by using a trade name of a manufacturer and/or model number, it is intended that the words, "or approved equal" apply. "Or approved equal" means any other brand that is equal in use, quality, economy and performance to the brand listed as determined by the Division of Purchasing & General Services (DIVISION). If the bidder lists a trade name and/or catalog number in the bid, the DIVISION will assume the item meets the specifications unless the bid clearly states it is an alternate, and describes specifically how it differs from the item specified. **MULTIPLE OR ALTERNATE BIDS WILL NOT BE ACCEPTED UNLESS SO STATED IN THE SPECIFICATIONS.** (f) By signing the bid the bidder certifies that all of the information provided is accurate, and that prices bid are correct. (g) This bid may not be withdrawn for a period of 60 days from bid due date.

2. **SUBMITTING THE BID:** (a) The bid must be signed in ink, sealed in a properly-addressed envelope, and either mailed or delivered to the DIVISION OF PURCHASING, 3150 State Office Building, Capitol Hill, Salt Lake City, UT 84114-1061 by the "Due Date and Time." **The "Bid Number" and "Due Date" must appear on the outside of the envelope.** (b) Bids, modifications, or corrections received after the closing time on the "Due Date" will be considered late and handled in accordance with the Utah Procurement Rules, section R33-3-109. (c) **Your bid will be considered only if it is submitted on the forms provided by the state. Facsimile transmission of bids to DIVISION will not be considered.** (d) All prices quoted must be both F.O.B. Origin per paragraph 1.(c) and F.O.B. Destination. Additional charges including but not limited to delivery, drayage, express, parcel post, packing, cartage, insurance, license fees, permits, costs of bonds, or for any other purpose must be included in the bid for consideration and approval by the DIVISION. Upon award of the contract, the shipping terms will be F.O.B. Destination, Freight Prepaid with freight charges to be added to the invoice unless otherwise specified by the DIVISION. (e) All State purchases are subject to the Utah Procurement Code, Title 63, Chapter 56 Utah Code Annotated 1953, as amended, and the Procurement Rules as adopted by the Utah State Procurement Policy Board (Utah Administrative Code Section R33).

3. **FAILURE TO BID:** Failure to respond may result in the removal of your firm from the bidder's list for the commodity(s) listed, unless you advise DIVISION in writing prior to due date that you desire to receive future invitations to bid on this commodity(s). **Three consecutive no responses will automatically result in removal.**

4. **PROPRIETARY INFORMATION:** Suppliers are required to mark any specific information contained in their bid which is not to be disclosed to the public or used for purposes other than the evaluation of the bid. Each request for nondisclosure must be accompanied by a specific justification explaining why the information is to be protected. Pricing and service elements of any bid will not be considered proprietary. Bids submitted may to be reviewed and evaluated by any persons at the discretion of the state.

5. **BONDS:** The state has the right to require a bid bond, payment bond and/or a faithful performance bond from the bidder in an amount not to exceed the amount of the contract.

6. **SAMPLES:** Samples of item(s) specified in this bid, when required by DIVISION, must be furnished free of charge to DIVISION. Any item not destroyed by tests may, upon request made at the time the sample is furnished, be returned at the bidder's expense.

7. **WARRANTY:** The contractor agrees to warrant and assume responsibility for all products (including hardware, firmware, and/or software products) that it licenses, contracts, or sells to the State of Utah under this contract for a period of one year, unless otherwise specified and mutually agreed upon elsewhere in this contract. The contractor (seller) acknowledges that all warranties granted to the buyer by the Uniform Commercial Code of the State of Utah applies to this contract. Product liability disclaimers and/or warranty disclaimers from the seller are not applicable to this contract unless otherwise specified and mutually agreed upon elsewhere in this contract. In general, the contractor warrants that: (1) the product will do what the salesperson said it would do, (2) the product will live up to all specific claims that the manufacturer makes in their advertisements, (3) the product will be suitable for the ordinary purposes for which such product is used, (4) the product will be suitable for any special purposes that the State has relied on the contractor's skill or judgement to consider when it advised the State about the product, (5) the product has been properly designed and manufactured, and (6) the product is free of significant defects or unusual problems about which the State has not been warned. Remedies available to the State include the following: The contractor will repair or replace (at no charge to the State) the product whose nonconformance is discovered and made known to the contractor in writing. If the repaired and/or replaced product proves to be inadequate, or fails of its essential purpose, the contractor will refund the full amount of any payments that have been made.

Nothing in this warranty will be construed to limit any rights or remedies the State of Utah may otherwise have under this contract.

8. **DIVISION APPROVAL:** Purchase orders placed, or contracts written, with the state of Utah, as a result of this bid, will not to be legally binding without the written approval of the director of the DIVISION.

9. **AWARD OF CONTRACT:** (a) the contract will to be awarded with reasonable promptness, by written notice, to the lowest responsible bidder that meets the specifications. Consideration will to be given to the quality of the product(s) to be supplied, conformity to the specifications, the purpose for which required, delivery time required, discount terms and other criteria set forth in this invitation to bid. (b) The bids are opened publicly in the presence of one or more witnesses. the name of each bidder, and the amount of the bid is recorded. Each bid, and the record, is open to public inspection. (c) The DIVISION may accept any item or group of items, or overall low bid. the DIVISION has the right to cancel this invitation to bid at any time prior to the award of contract. (d) The DIVISION can reject any and all bids. And it can waive any informality, or technicality in any bid received, if the DIVISION believes it would serve the best interest of the State. (e) Before, or after, the award of a contract the DIVISION has the right to inspect the bidder's premises and all business records to determine the holder's ability to meet contract requirements. (f) DIVISION does not guarantee to make any purchase under awarded contract(s). Estimated quantities are for bidding purposes only, and not to be interpreted as a guarantee to purchase any amount. (g) Utah has a reciprocal preference law which will to be applied against bidders bidding products or services produced in states which discriminate against Utah products. For details see Section 63-56 20.5 -20.6, Utah Code Annotated.

10. **ANTI-DISCRIMINATION ACT:** The bidder agrees to abide by the provisions of the Utah Anti-discrimination Act, Title 34 Chapter 35, U.C.A. 1953, as amended, and Title VI and Title VII of the Civil Rights Act of 1964 (42 USC 2000e), which prohibit discrimination against any employee or applicant for employment, or any applicant or recipient of services, on the basis of race, religion, color, or national origin; and further agrees to abide by Executive Order No. 11246, as amended, which prohibits discrimination on the basis of sex; 45 CFR 90 which prohibits discrimination on the basis of age, and Section 504 of the Rehabilitation Act of 1973 or the Americans with Disabilities Act of 1990, which prohibits discrimination on the basis of disabilities. Also bidder agrees to abide by Utah's Executive Order, dated March 17, 1993, which prohibits sexual harassment in the workplace. Vendor must include this provision in every subcontract or purchase order relating to purchases by the State of Utah to insure that the subcontractors and vendors are

bound by this provision.  
revision date: 2/14/2000

## SPECIFICATION Asphalt Spreader 32-02

SPECIFICATION FOR THE PURCHASE OF ONE (1) DEMONSTRATOR OR USED ASPHALT SPREADER (PAVER), SELF PROPELLED, FOR USE IN GENERAL HIGHWAY ASPHALT PAVING AND MAINTENANCE OPERATIONS. THE PAVER SHALL BE AN IR Blaw-Knox MODEL PF-4410 OR EQUAL WITH AUTOMATIC GRADE CONTROL.

Bidder Identification: \_\_\_\_\_

Total Hours on machine: \_\_\_\_\_

### **GENERAL SPECIFICATIONS**

Equipment shall be evaluated based on Total hourly usage and model year of unit. The spreader can be a used unit or a demonstrator, with less than 1800 hours of total usage. The equipment shall meet the following minimum specifications, but is not limited as to features furnished by the manufacturer. The equipment shall have all standard features. The equipment shall be delivered assembled, serviced, tested and ready to operate. All fluids are to be at fully operational levels.

Equipment furnished to the State of Utah must meet current State and Federal safety regulations.

The Bidder must complete a response to each item of the specifications. Use spaces provided and attach product data sheets.

Any reference in these specifications, to a particular product, is made only for the purpose of clarification of the minimum acceptable standards. "Or approved equal" means any other brand that is equal in use, quality, economy and performance to the brand listed.

Bidders must list terms of warranty or include copy of standard warranty. This Warranty must include a minimum of 90 days of 100% parts and labor, on all components.

Bidders must list any special, available warranties, to include price and description of optional extended warranties. Warranty will be considered in evaluating bids.

Bid response \_\_\_\_\_ See Attached \_\_\_\_\_

Items Covered \_\_\_\_\_ Duration \_\_\_\_\_

1 **DETAILED SPECIFICATIONS**

2  
3 Shall be a self-propelled paver, mounted on pinless tracks,  
4 capable of applying a bituminous mat of all type mixes at a  
5 preset thickness.

6  
7 *Response* *Comply* \_\_\_\_\_ *Exceptions* \_\_\_\_\_  
8  
9

10 **Weight:** The basic paver shall be a minimum of 26,000 lbs  
11 including screed.

12  
13 *Response* *Comply* \_\_\_\_\_ *Exceptions* \_\_\_\_\_  
14  
15

16 **Engine:** Shall be a water cooled, turbo charged, diesel engine,  
17 EPA certified, and meet or exceed the following:  
18 • Minimum of 359 cubic inch displacement.  
19 • Minimum of 145 hp. @ 2100 rpm.  
20 • Minimum 105 amp alternator.  
21 • Minimum 38 gallon fuel tank.  
22 • Minimum 40 gallon hydraulic reservoir.  
23 • 12 volt battery.  
24 • Electric start.

25  
26 *Response* *Comply* \_\_\_\_\_ *Exceptions* \_\_\_\_\_  
27  
28

29 **Traction Drive:**

30 The paver shall be hydrostatic drive using a  
31 hydrostatic pump which drives both left and right sides  
32 2-speed hydrostatic motors, on each track drive  
33 sprocket. The variable volume hydrostatic drive system  
34 shall provide infinite speed selection in each of the  
35 two speed ranges.

- 36 • Paving range (Lo Trans/Lo Motor) @2100, 0-242 fpm.  
37 • Travel Range (Hi Trans/Hi Motor) @2100, 0-8.5 mph.  
38

39 *Response* *Comply* \_\_\_\_\_ *Exceptions* \_\_\_\_\_  
40  
41

42 **SUSPENSION:**

43 The paver shall have unitized, bolt-on track frames.  
44 Each track frame shall be equipped with three sets of  
45 oscillating, rubber tired bogie wheels, replaceable  
46 drive hub and automatic/hydraulic track tensioning

1 system.

2  
3 *Response* *Comply* \_\_\_\_\_ *Exceptions* \_\_\_\_\_

4 **Track:** The track design shall be a continuous, flexible, hi-  
5 speed rubber, with positive, non-slip cog/socket drive.  
6 It shall meet or exceed the following minimum

7 specifications:

- 8 • Tensile Strength 254,000#
- 9 • Track Width 14"
- 10 • Ground Contact Pressure less than 11 lbs/in<sup>2</sup>.
- 11 •

12 **Note condition of tracks(new - 70%, etc)** \_\_\_\_\_

13  
14 *Response* *Comply* \_\_\_\_\_ *Exceptions* \_\_\_\_\_

15  
16  
17 **Brakes:** Primary braking shall be accomplished through the  
18 dynamics of the hydrostatic traction drive system.  
19 Secondary parking brakes shall be hydraulic, manually  
20 actuated from the operator's control or with and  
21 electrical switch on the swing console.

22  
23 *Response* *Comply* \_\_\_\_\_ *Exceptions* \_\_\_\_\_

24  
25  
26 **Hopper:** The Hopper shall be a minimum of 155 cubic feet in  
27 capacity. The hopper wings shall be hydraulically  
28 folding and self cleaning. The paver shall have two  
29 bearing equipped push rollers mounted on an oscillating  
30 frame.

31  
32 *Response* *Comply* \_\_\_\_\_ *Exceptions* \_\_\_\_\_

33  
34  
35 **Feed Sys.** The conveyor system shall consist of a right and left  
36 hand conveyor capable of operation independently, and  
37 the conveyor speed must be independent of paving speed.  
38 It shall have two augers, one left and right, which  
39 together reach the entire width of the screed. The  
40 augers shall have automatically sensor's (Ultrasonic  
41 Sensing System) controlled by the amount of material in  
42 front of the screed to insure proper proportioning of  
43 material to the screed, regardless of the working  
44 speed. Maintenance free auger/conveyor bearings shall

be used to eliminate daily greasing.

*Response*    *Comply* \_\_\_\_\_ *Exceptions* \_\_\_\_\_

**Gates:**    The paver shall have two individually operated,  
electric/hydraulic controlled, adjustable flow gates,  
located in the conveyor tunnel entry at the rear of the  
hopper, for metering material delivery to the screed.

*Response*    *Comply* \_\_\_\_\_ *Exceptions* \_\_\_\_\_

**Screeds:**    Shall have high-efficiency electric heating screed  
system. It shall have front-mounted extension design  
and to provide full double width paving capability 8'  
to 16' minimum. Hydraulically extendible sections shall  
be equipped with vibrators and bolt-on, replaceable,  
abrasion resistant, QT Steel screed plates; 28-½" wide X  
½" thick main plate and 8-½" wide X ½" thick extension  
plates.  
The paver shall have two electric heating pads on the  
main screed plate, plus one on each extension. Heating  
pads shall be automatically controlled by a screed  
temperature control that maintains the desired  
temperature setting. The heat system shall be powered  
by 16kW hydraulic driven generator with aux plugs. The  
temperature must be maintained within +/-5 degrees F.

*Response*    *Comply* \_\_\_\_\_ *Exceptions* \_\_\_\_\_

**Mat stop**    Spring loaded Mat Stop edger plates with replaceable  
wear shoes and edger guides shall be included.

*Response*    *Comply* \_\_\_\_\_ *Exceptions* \_\_\_\_\_

**Rollers:**    Paver shall have two (2) bearing equipped push rollers  
mounted on a 98" wide, oscillating frame; compensates  
for minor directional misalignment of truck with  
paver/finisher.

*Response*    *Comply* \_\_\_\_\_ *Exceptions* \_\_\_\_\_



**Hitch:** Hitch shall have two bearing equipped push rollers mounted on an oscillation frame with electric/hydraulic actuated, roller equipped clamp arms; The hitch shall quickly grip and secure a truck in the proper attitude for unloading material into the Paver's hopper with automatically self-centering. This Compensates for both minor lateral and directional misalignments of the truck with paver/finisher with no exposed secondary slide mechanisms.

*Response*    *Comply* \_\_\_\_\_    *Exceptions* \_\_\_\_\_

**Conveyors** Conveyor floor plates and rear wrap plates shall be constructed of abrasion resistant steel.

*Response*    *Comply* \_\_\_\_\_    *Exceptions* \_\_\_\_\_

**Auger** The Auger shall have bolt-on, replaceable, high alloy, cast steel, hemi-screw sections. Height shall be adjustable hydraulically.

**Note condition of Augers(new - 70%, etc)** \_\_\_\_\_

*Response*    *Comply* \_\_\_\_\_    *Exceptions* \_\_\_\_\_

**Vent Sys.** Shall have a mounted collector system that gathers heat and fumes from the paver/finisher's auger area and disperses them away from the paving crew. That meets all current NIOSH (National Institute for Occupational Safety and Health) standards for capture efficiency.

*Response*    *Comply* \_\_\_\_\_    *Exceptions* \_\_\_\_\_

**Umbrella** The Paver shall have a 54" minimum umbrella mounted to shade the operator.

*Response*    *Comply* \_\_\_\_\_    *Exceptions* \_\_\_\_\_

**Topcon's** Shall have a system 5 Topcon automation control system with the following working capabilities:

- Measure grade to within 1 mm:
- Non-contacting sonic grade sensor, so there is no

- material build up to effect grade.
- Track surface.
- Slope indicate mode.
- Control to configures itself for valves on the paver.
- Push button Null control.
- Valve test mode.
- Electronic Averaging.
- One year parts and labor warranty.

Response    Comply \_\_\_\_\_    Exceptions

**Controls** shall have a swing console that contains the oil temp., engine oil pressure, engine coolant temperature, voltmeter and Warning lights for brake on, and hydraulic filer.

Response    Comply \_\_\_\_\_    Exceptions \_\_\_\_\_

The Spreader should be in near new condition. It is preferred that maintenance records are available. The engine and drive train must run as well as new in every way, showing minimal signs of wear. The spreader should have no damage and the tracks should show at least 75% of original tread. An inspection of the spreader will be performed, at the discretion of U.D.O.T., before a purchase order is issued. An operational demonstration of the offered spreader may be required by U.D.O.T. for evaluation.

U.D.O.T. reserves the right to evaluate each bid with regard to condition and features of each spreader. Award of a purchase order will be based upon the State's judgement as to best price, quality, and serviceability according to the needs of U.D.O.T. The spreader must be priced within the budget constraints of the Department, which may limit larger or higher priced units from being purchased.

Bidders must submit a detailed quotation, including specification sheets and product data for bid evaluation. There must be a response to each item in the U.D.O.T. specifications above. Bids submitted without this information may be rejected as non-responsive.

#### **Delivery**

Delivery shall be 20 days after receipt of purchase order. Delivery date will be considered in evaluating bids.

1 Delivery must include and shall not be considered complete  
2 until receipt of all of the following:

- 3 - dealer's invoice
- 4 - a copy of warranty
- 5 - operator's manual
- 6 - 2 complete sets of manuals including:  
7 parts list, repair manual, operator's manual.

8  
9 The Costs of these manuals is to be included in bid price.  
10 Dealer shall provide operator training at specified U.D.O.T.  
11 location.

12 Invoices will not be approved for payment until all documentation  
13 and manuals have been received.

14 Delivery shall be, at no additional charge, F.O.B. to Utah  
15 Dept. of Transportation, Central Shops, 4501 S. 2700 W. , Salt  
16 Lake City, Utah 84119.

17  
18 Call Prep Shop Manager, (801)964-4550, for instructions  
19 before delivery.

20  
21  
22 Option To trade in on purchase price of quote unit, 1991  
23 Caterpillar Asphalt Spreader. Model ID AP800B, S/N  
24 1BF228.

25  
26 Call for appointment for viewing the paver with David  
27 Hopkins 801-965-4933 or Paul Rottmann 801-965-4078 at  
28 4501 S. 2700 W. , Salt Lake City, Utah 84119.  
29 See attachment (A) for photo.

30  
31 Attached quote and terms.

32  
33  
34 For information about specifications, contact David Hopkins,  
35 Equipment Specialist (801-965-4933) or Paul Rottmann, U.D.O.T.  
36 Purchasing Agent, (801-965-4078) at the above address.

37  
38 **Bidders must list sources of parts and service for the**  
39 **proposed equipment. Consideration will not be given to bidders**  
40 **unable to satisfy the Utah D.O.T. or the Utah Division of**  
41 **Purchasing as to the adequacy of their service facilities and**  
42 **availability of replacement parts.**

1991 Caterpillar  
Model ID: AP800B  
S/N 1BF228

